

**40554 and 40555.**

From Pacasmayo, Peru. Collected by Mr. O. F. Cook, of the Bureau of Plant Industry. Received May 11, 1915. Quoted notes by Mr. Cook.

**40554. ANNONA CHERIMOLA Miller. Annonaceæ. Cherimoya.**

"No. 31. This fruit was brought on board the steamer at Pacasmayo, Peru, March 25, 1915. It is heart shaped, 10 cm. long, nearly as broad, the surface appearing to be formed of large overlapping scales, each scale with a distinct rounded tubercle near the lower end. Scales attain a length of about 2 cm. and a width of 1.5 cm., the tubercles 3 to 5 mm. broad. In texture the skin is rather tough and leathery, the surface finely wrinkled and hairy. Seeds large, 1.8 cm. long by 1.2 cm. broad, the surface wrinkled and of rather irregular shape, with prominent margins, the epidermis of the fresh seeds loosening in irregular bands, like leaf-miner burrows on leaves."

**40555. PERSEA AMERICANA Miller. Lauraceæ. Avocado.**  
(*Persea gratissima* Gaertn.)

"No. 32. An avocado brought on board the steamer at Pacasmayo, Peru, March 25, 1915. It evidently belongs to the so-called West Indian type, with soft, flexible skin, but in this sort rather firm, so that it is possible to take out the flesh with a spoon. Shape distinctly pearlike, 12 cm. by 8 cm. Skin light green, about 2 mm. thick, the surface nearly smooth, shining, sprinkled with minute whitish points. Flesh rather pale, with no discolored fibers, rather soft and delicate in texture, not nearly so firm as in the Guatemalan hard-shelled type. Seed 7 cm. by 5.5 cm., with a strong hard beak above and a distinct broad hollow at the base. Seed coats fitting closely, distinctly mottled with dark and light brown when newly cleaned. Although the seed is not loose in a cavity, as in many of the West Indian avocados, it is very heavy and would probably bruise the neighboring tissues if the fruits were handled carelessly after the flesh begins to soften."

**40556 to 40558. LYCOPERSICON ESCULENTUM Miller. Solanaceæ. Tomato.**

From Paris, France. Purchased from Messrs. Vilmorin-Andrieux & Co. Quoted notes from their catalogue. Received April 19, 1915.

**40556.** "*Reine des Hâtives* (Queen of the Earlies). Smooth, exceptionally early, hardy, and resistant to disease."

**40557.** "*Tres hâtive de pleine terre* (open air, very early). Hardy and resistant to disease. Very highly esteemed for exportation."

**40558.** "*Merveille des Marchés* (Marvel of the Markets). Productive variety, very resistant to disease. Fruits of a beautiful live red, very smooth, not splitting at all."

**40559. CANARIUM OVATUM Engler. Balsameaceæ. Pili nut.**

From California. Presented by Mr. F. O. Popenoe, West India Gardens, Altadena, Cal. Received April 20, 1915.

"Pili nuts, bought in Los Angeles market at 12½ cents per pound."  
(*Popenoe.*)